

V.12) Binary Search - Interview Questions.

Q1) arr = [2, 3, 5, 9, 14, 16, 18] target = 15.

Find,
Ceiling of a given no.?

↑
Smallest element in array greater or = target.

Code: Simple Binary Search.
return start;

Q2) Find the Floor of a given no.?

↑
Greatest element in array smaller or = target.

code: Simple Binary Search
return end;

Q3) Find position of target element in an Infinite array?

- ⊛ Assume a standard array as Infinite.
- ⊛ Consider Exponential chunks of that array and run binary Search.

Q4) Find rotation counts of a rotating array.

- ⊛ Find the Pivot first.
- ⊛ Add 1 to pivot \Rightarrow Which is = to Count.

Q5) Rest of the problems are from LeetCode.

744, 34, 852, 162 (same as 852), 1095, 33, 410.